

**NHXMH-O 5x2.5**  
**DIN VDE 0250-214**

Power cables with copper conductors, XLPE-insulated, with halogen-free polymer compound outer sheath

Cables are used for:

- *electric wiring and cable lines installation in industrial, residential and public buildings and facilities*
- *laying over the plaster, inside and under plaster, in brick masonry and concrete, in pipes and ducts*
- *wiring in office premises equipped with computer and microprocessor equipment, in kindergartens, schools, hospitals, for cable lines of entertainment complexes and sports facilities*
- *outdoor installation, if protected from sun rays*

Manufacturing of cables with light-stabilized outer sheath is possible

Fire safety code in accordance with ДСТУ 4809:2007: ПБ123122000

Products of this mark meet the requirements:

- *single wire cable flame retardance*
- *bunched cable flame retardance category A*
- *toxicity class Tk3 of the combustion products of nonmetallic elements (toxicity index over 120 g/m<sup>3</sup>)*
- *class ДТк1 on smoke-forming ability by smouldering of non-metallic elements (coefficient of smoke formation from 50 to 500 m<sup>2</sup>/kg)*
- *class ДПк2 on smoke-forming ability by combustion (minimum luminous flux more than 60 %)*
- *corrosive class Kk2 of combustion products of non-metallic elements (the number of halogen hydrides less than 150 mg/g, pH more than 4.3, specific conductivity less than 10 μS/mm)*

**TECHNICAL SPECIFICATIONS**

Rated voltage	kV	0.66
Number and rated area of conductors	mm <sup>2</sup>	5 x 2.5
Insulation thickness	mm	0.5
Permissible continuous current rating *		
• <i>by aerial laying (AC of industrial frequency) *</i>	A	31
• <i>by burial (AC of industrial frequency) *</i>	A	37
Operating temperature range	°C	-50 ... +50
Minimum bending radius by laying	mm	46
Rated outer diameter of the cable (for reference) **	mm	11.5
Cable weight (approximate)	kg/km	250
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 10: 1970 • 0.6

Notes:

*When ordering it is necessary to agree the factory length of the product with the manufacturer*

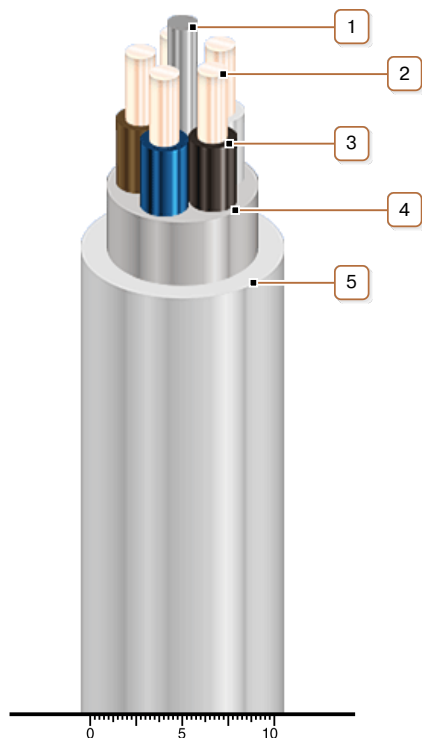
*\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m*

*\*\* The external diameter may differ from the rated up to ± 10 %*



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### CONSTRUCTION

1. Filling harness
  2. Copper conductor
  3. XLPE insulation
  4. Halogen-free polymer compound inner sheath
  5. Outer sheath of halogen-free polymer composition
- Note: Manufacturing of cables with light-stabilized outer sheath is possible*